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November 5, 2020

VIA ECFS

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
45 L St. NE
Washington, DC 20554

Re: Notice of *Ex Parte* Presentation, *Expanding Flexible Use of the 3.7-4.2 GHz Band*, GN Docket No. 18-122

Dear Ms. Dortch:

On Tuesday, November 3, 2020, Petra Vorwig of SES Americom, Inc. ("SES"), Peter Davidson of Intelsat License LLC ("Intelsat"), and the undersigned spoke with Bill Davenport, Chief of Staff and Senior Legal Advisor for Wireless and International to Commissioner Geoffrey Starks.

During the meeting, the representatives of SES and Intelsat provided a status update on the C-band transition.[1] In brief, the accelerated relocation is on schedule, and SES and Intelsat expect to satisfy their clearing obligations by the Commission's aggressive transition deadlines. The representatives also explained that SES and Intelsat are buying American, creating jobs, and investing billions of dollars in small and large businesses throughout the United States to make this critical mid-band spectrum available for 5G by late next year.

Pursuant to Section 1.1206(b) of the Commission's rules, I am filing this letter electronically in the above-referenced docket. Please contact me directly with any questions.

Respectfully submitted,

/s/ Ari Q. Fitzgerald
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Counsel to SES Americom, Inc.

Attachment

cc: Bill Davenport

[1] *See* Attachment A.

Attachment A

C-Band Transition Update

Intelsat and SES

Program Overview: Intelsat & SES Combined

320 Customer Services

…need to be transitioned out of the lower 300 MHz on 12 satellites

>50,000 Earth Station Equipment to Install

> 500 antennas
> 20,000 filters
> 30,000 satellite receivers

11 Satellites

…will be launched on 6 rockets by the end of 2023 to ensure continuity of service for video, data and US government users

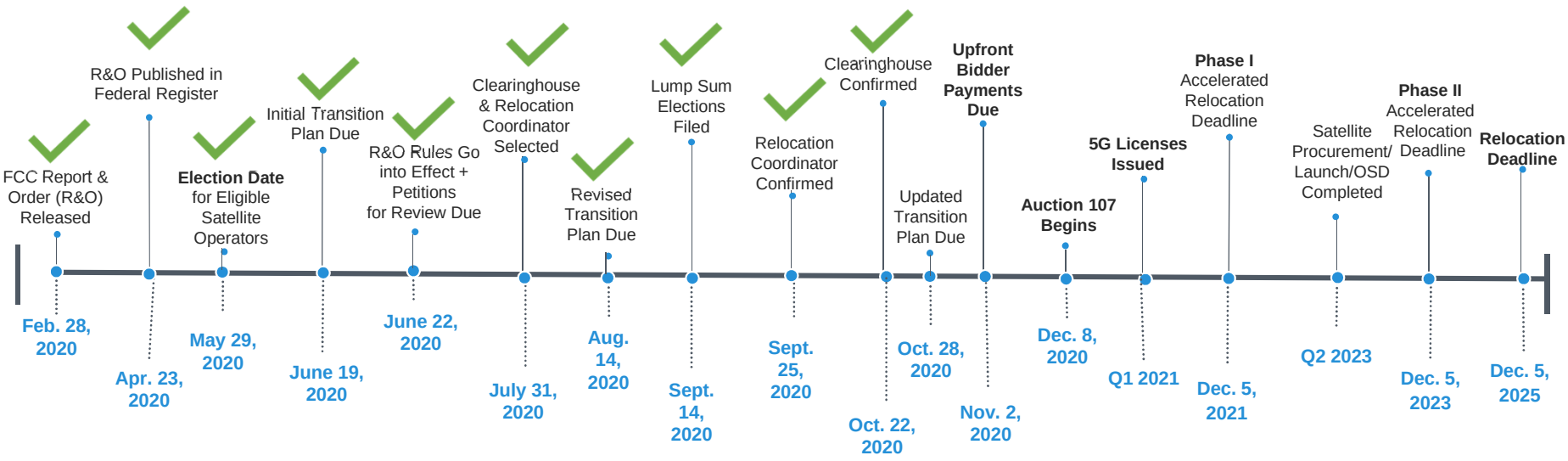
4 Teleport Buildouts

… and 20 large antennas need to be built out to make room for 5G deployments throughout the Continental US

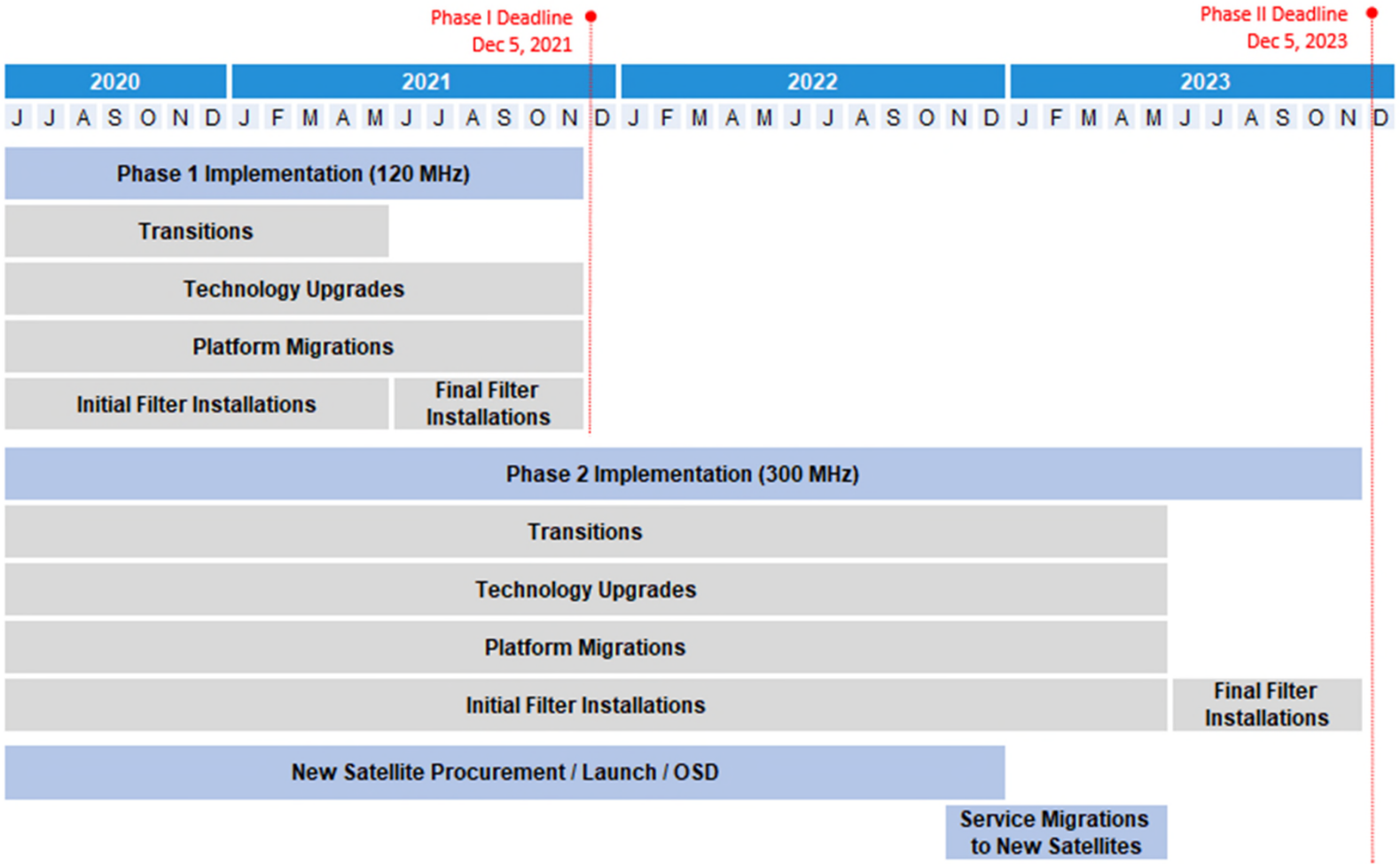
- 2+ years of detailed technical, operational and financial analysis, planning and discussions with user communities
- Individualized outreach to 1000s of earth stations to determine specific needs
- Design of filters to prevent interference from high-powered 5G signals into highly sensitive satellite systems
- Deployment of advanced video compression systems to allow for next-generation technology to reduce programming bandwidth needs

Program is on-track to clear 120 MHz of spectrum for the deployment of 5G in high demand areas by 5 Dec 2021 and 300 MHz throughout CONUS by 5 Dec 2023

Overall C-Band Transition Timeline



C-Band Transition Activities: Phases I and II



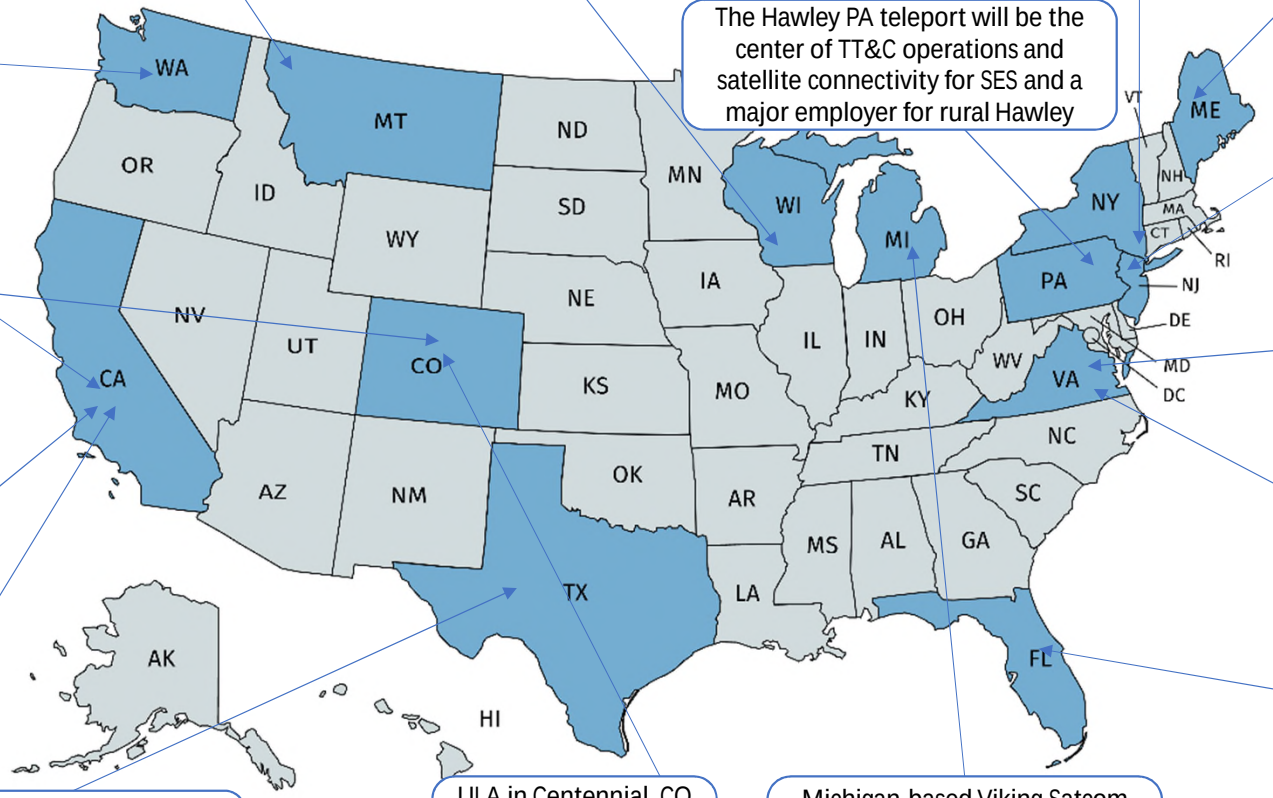
Program Investment: Intelsat and SES Combined

	13 satellites (including ground spares)	~$1.78B
	8 satellite launches (includes backup satellite launches)	~$730M
	4 major teleport facilities	~$151M
	>50,000 earth station equipment	~$674M
	Total program	~$3.3B

Over $3.0 B committed to date

Economic Impact of the C-Band Transition

Hundreds of U.S. employees will make it happen



The USEI Brewster teleport will host 14 antennas and receive $16M in infrastructure upgrades for TT&C needs

Intelsat ordered 6 satellites from Maxar saving hundreds of manufacturing jobs in CA and helping keep it out of bankruptcy

Boeing is manufacturing a pair of highly efficient all-electric 702SP satellites for SES.

SpaceX will provide 3 launches by the end of 2023, involving 10s of employees for 2+ years

CPI is building $50M+ worth of TT&C antennas in Texas and Hawaii

Superior Satellite in Columbia Falls, MT is conducting outreach to IESs to gather information necessary to the transition

SES partner Viking Satcom has enlisted Wisconsin antenna manufacturer DH Satellite.

The Hawley PA teleport will be the center of TT&C operations and satellite connectivity for SES and a major employer for rural Hawley

ULA in Centennial, CO will launch two SES satellites from Cape Canaveral, FL.

STS Global from Stony Brook, NY is supporting the build-out of SES's TT&C and gateway stations

Michigan-based Viking Satcom are responsible for ordering, testing, storing and shipping equipment.

Verizon's Andover teleport will host >6 large antennas and incur >$15M in infrastructure upgrades for TT&C needs

SES has engaged over 300 employees and consultants across the company with program management centralized in Princeton, NJ

Intelsat is hiring 25+ employees to support the initiative

Northrop Grumman will produce 3 satellite, employing 10s of aerospace engineers

USSI will receive, store, configure, and ship 40k IRDs

Ecosystem Partners: SES & Intelsat

Satellite Manufacturers

MAXAR

NORTHROP GRUMMAN

BOEING

ThalesAlenia Space

Satellite Launchers

SPACEX

arianespace ULA

Affiliate Services

USSIglobal

ATCi

WESCO

CONVERGENT

SSE SUPERIOR SATELLITE ENGINEERS

Antennas & Equipment

GENERAL DYNAMICS Mission Systems

KRATOS

DH Satellite

STS GLOBAL

MFC

VIKING SATCOM

Compression Vendors

COMMSCOPE

harmonic

Synamedia

Teleport Operators

US ELECTRODYNAMICS, INC.

verizon

AT&T

80% of the $3.3B will be paid to U.S. companies.

Progressing to On-time Completion: Intelsat

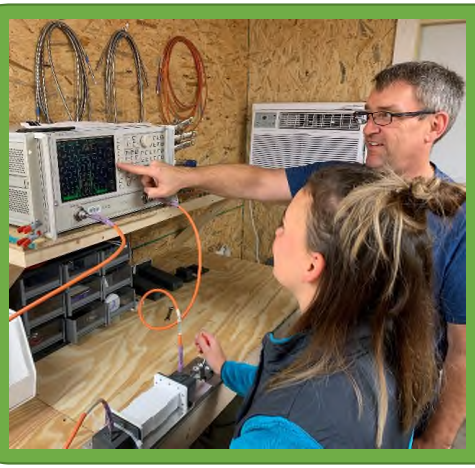
Antenna pads and RF shelters being poured at Brewster, WA teleport

Blue filters undergoing testing

Receivers in our Florida warehouse being prepared for configuration and shipping

Progressing to On-time Completion: SES

- 13 m antenna foundation framed and ready for concrete pour in Hawley, PA
- Data room secured
- Future power system room



- RF filters under QA test
- Filters made in the U.S.
- 3.8 m kingpost mounts arriving at warehouse